

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1 –14 (canceled)

Claim 15 (currently amended) A reagent for diagnosing diseases in which activated eosinophils are present at the disease site, said reagent selected from the group consisting of 3-bromotyrosine, 3,5-dibromotyrosine, a peptide ~~containing~~ consisting of 3-bromotyrosine and one or more amino acids, a peptide containing 3,5-dibromotyrosine, and combinations thereof.

Claim 16 (withdrawn) The reagent of claim 15 wherein said reagent is a heavy isotope labeled 3-bromotyrosine or a heavy isotope labeled 3,5-dibromotyrosine.

Claim 17 (withdrawn) The reagent of claim 16 wherein said reagent is labeled with  $^{13}\text{C}_6$ ,  $^2\text{H}_4$ , or  $^{13}\text{C}_9$  and  $^{15}\text{N}_1$ .

Claims 18–20 (canceled)

Claim 21 (withdrawn) A diagnostic kit for diagnosing diseases in which activated eosinophils are present at the disease site, said kit comprising an antibody that specifically reacts with 3-bromotyrosine, or 3'5 di-bromotyrosine, or 3-bromotyrosine and a 3,5-dibromotyrosine, wherein the bromotyrosine is either free or contained within a peptide or protein.

Claim 22 (withdrawn) The diagnostic kit of claim 21 wherein said antibody is a monoclonal antibody.

Claim 23 (withdrawn) The reagent of claim 15 wherein said reagent is 3-bromotyrosine.

Claim 24 (withdrawn) The reagent of claim 15 wherein said reagent is 3,4-dibromotyrosine.

Claim 25 (currently amended) The reagent of claim 15, wherein said reagent is a peptide ~~containing~~ consisting of 3-bromotyrosine and one or more amino acids.

Claim 26 (withdrawn) The reagent of claim 15 wherein said reagent is a peptide containing 3, 5 dibromotyrosine.

Claim 27 (currently amended) The reagent of claim 15, wherein said reagent is a combination of 3-bromotyrosine, 3,5-dibromotyrosine, a peptide ~~containing~~ consisting of 3-bromotyrosine and one or more amino acids, and a peptide containing 3,5-dibromotyrosine.

Claim 28 (withdrawn) The reagent of claim 15 wherein said reagent is a combination of 3-bromotyrosine, and 3,5-dibromotyrosine.

Claim 29 (currently amended) The reagent of claim 15, wherein said reagent is a combination of a peptide ~~containing~~ consisting of 3-bromotyrosine and one or more amino acids, and a peptide containing 3,5-dibromotyrosine.

Claim 30 (withdrawn) The reagent of claim 15 wherein said reagent is a heavy isotope labeled 3-bromotyrosine.

Claim 31 (withdrawn) The reagent of claim 15 wherein said reagent is a heavy isotope labeled 3,5-bromotyrosine.

Claim 32 (withdrawn) The reagent of claim 15 wherein said reagent is a heavy isotope labeled 3-bromotyrosine and a heavy isotope labeled 3,5 dibromotyrosine.

Claim 33 (currently amended) The reagent of claim 15, wherein said reagent is a peptide ~~containing~~ consisting of a heavy isotope labeled 3-bromotyrosine and one or more amino acids.

Claim 34 (currently amended) The reagent of claim 15, wherein said reagent is a is combination of a peptide ~~containing~~ consisting of a heavy isotope labeled 3-bromotyrosine and one or more amino acids, and a peptide containing a heavy isotope labeled 3,5-dibromotyrosine.

Claim 35 (previously presented) The reagent of claim 33 wherein said reagent is labeled with a heavy isotope selected from the group consisting of  $^2\text{H}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$ , and  $^{13}\text{C}_6$ .

Claim 36 (withdrawn) The reagent of claim 34 wherein said reagent is labeled with a heavy isotope selected from the group consisting of  $^2\text{H}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$ , and  $^{13}\text{C}_6$ .